

CLAIMS:

1. A method of swaging a spherical bearing comprising a ball and a bearing
5 housing, the method comprising the steps of:
 providing a ball and a bearing housing to be swaged around the ball;
 creating a temperature differential between the temperature of the
housing and the temperature of the ball, the ball being at a lower temperature
than the housing such that the relative size of the ball with respect to the
10 housing decreases;
 inserting the ball in the housing;
 swaging the housing around the ball, the ball being cooler than the
housing during the swaging process;
 allowing the ball and housing to return to ambient temperature such that
15 the relative size of the ball with respect to the housing increases.
2. A method according to Claim 1, wherein the ball is manufactured of a
first material and the housing is manufactured of a second material, the two
materials being different from one another.
- 20 3. A method according to Claim 1 or 2, wherein the temperature
differential is created by cooling the ball.
4. A method according to Claim 3, wherein the ball is cooled to below 0°C.
- 25 5. A method according to Claim 4, wherein the ball is cooled by liquid
nitrogen.

6. A method according to any preceding claim, wherein the temperature differential is caused by heating the housing.
7. A method according to any preceding claim, wherein the temperature differential is caused by heating the housing and cooling the ball.
8. A method according to any preceding claim, wherein the swaging step is a taper die swaging process.
9. A method substantially as hereinbefore described with reference to and as shown in the accompanying drawings.